BUNAMFAN CLUSTER EXAMINATION - 2022

Kenya Certificate of Secondary Education

June 2022 - 1 ¾ hours Name Adm No Class Date Name Adm No Index Number Date

Instructions to Candidates

- ❖ Write your name, Admission number and your other details in the spaces provided above.
- Spend the first 15 minutes of the time affocated to read through the question paper before commencing your work
- ❖ Answer **ALL** the questions in the spaces provided.
- ❖ Additional pages must **not** be inserted
 - For Examiner's Use Only

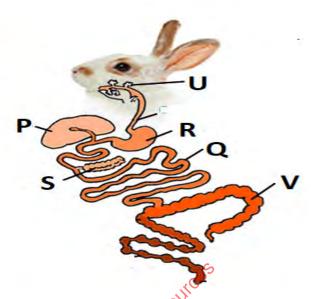
Question 14.	Maximum Score	Candidate's Score
1	13	
2	13	
3	14	
3	14	
Total Score	40	

100ml beaker10ml Iodine s	rings d water in a wash bottle r solution d with a specimen labeled A . Ma	ke a transverse section of the spe	ecimen. (3mks)
(b) What type of fru	it is specimen A?	nload free resources	(1mk)
mash it into a partransparent tubin ensuring there is Immerse the tubin minutes.	cm thick disc from the speciments to using a glass rod. Add 20ml of g provided. Decant the extract in no leakage. In a 100ml beginning to the contents in a 100ml beginning to the contents of the contents o	Peel it. Place the piece into a be of distilled water and stir. Tie one to the tubing and tie the other er beaker containing Iodine solution	e end of the nd tightly,
Before the	Extract inside visking tubing	Iodine solution outside the vis	king
experiment After the experiment	M. F.		
(i) Expla	in the results obtained from c(i)	above.	(5mks)

1. You are provided with the following materials;

2. Study the photographs below and answer the questions that follow.





(a) With **observable** reasons identify the class of the specimen in the photograph.

(i)	Class	(1mk)
(ii)	Reasons Reasons The structures labeled agests and the structures labeled agests as the structure of the st	(2mks)
	on to s	
(b) (i) Na	ame the structures labeled	(4mks)
P		
Q	Man ite	
S		
(ii)	State the function of the parts labeled	(2mks)
U		

(c) Study the photographs below depicting plants growing in different habitats.



(i)	Identify the habitats in which they are found	(2mks)
Y		
${f Z}$	ars.com	
L	*OSO	
(ii)	State the significance of the following structures found in the specimens sho	own above
	(2mks)	
R	isit wan	
a	Jish Comment of the C	

3. Below are photographs showing some observable features of animals



- (a) Using the features in the order given below, construct a dichotomous key that can be used to identify the specimens in the photographs. (10mks)
- Presence or absence of backbone
- Presence or absence of wings
- Presence of absence of scales
- Presence or absence of pouch
- Bipedal or quadripedal

•••••				
•••••				
•••••		 د	•••••	
•••••		ources		
<i>a</i>			•••••	
(i) Using observable features identify the blood vessels E (2mks)				
(i)	Using observable features identify the	blood vessels	(2mks)	
	EF			
(ii)	Using observable features only , give tw		od vessels	
(2mks)				
		F		

THIS IS THE LAST PRINTED PAGE